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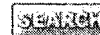
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 N. Megiddo, S. L. Hakimi, M. R. Garey, D. S. Johnson, C. H. Papadimitriou
 January 1988 **Journal of the ACM (JACM)**, Volume 35 Issue 1

Publisher: ACM Press

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T. Parsons originally proposed and studied the following pursuit-evasion problem on graphs: Members of a team of searchers traverse the edges of a graph G in pursuit of a fugitive, who moves along the edges of the graph with complete knowledge of the locations of the pursuers. What is the smallest number $s(G)$ of searchers that will suffice for guaranteeing capture of the fugitive? It is shown that determining whether s (

2 [Session 11A: Finding paths and cycles of superpolylogarithmic length](#)

Harold N. Gabow

 June 2004 **Proceedings of the thirty-sixth annual ACM symposium on Theory of computing STOC '04**

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Keywords: approximation algorithms, cycle, graph algorithms, path**3** [Decision tree complexity and Betti numbers](#)

Andrew Chi-Chih Yao

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4 [Session 3A: Finding large cycles in Hamiltonian graphs](#)

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